FOUNDRY TRADE JOURNAL INDEX VOLUME 164 JANUARY-DECEMBER 1990

A

Advanced alloys for hi-tech industries 183
Air shock for steel castings 45
Alcan Enfield Alloys — differentiating its products 815
Alumasc — Company report 400
Aluminium 234
Aluminium castings in the automotive industry 728
Aluminium technology advances 388
Alternative back up filler to zircon 402
An integrated flux system 240
Answering some questions 520
An underutilised technology 149
A partnership with the customer 348
Art casting 490
Autopour catches on in Sweden 592
Autocast (Bourne) Limited — company report 348

B

Bathgate is a goer 528
BCIRA set to improve industry competitiveness 216
Belle Engineering — company report 72
Beltweighing after the (weights and measures) big bang 793
BICTA — Investment casting a technology for the 90's an *FTJ* supplement between 398 & 399
BNF — the founders friend 218
Boosting the traffic the precision way 396
Breaking the mould of zinc diecasting 589
Bring your casting problems to us (Rosyth Royal Dockyards) 32
British Brass & Bronze Ingot Manufacturers Association report 6
Bruzaholms Bruk installations on home ground for HYBE 885
Buckling down to a maximum output 703
Building on tradition for the future 395

C

Carburisation control and monitoring 226
Casting simulation proves its worth 499
Cast tools — their qualities and potential 189
Charles W Taylor & Sons — company report 654
Chemicals and cleaning 522
C K D Blansko — company report 309
Colt keeps it cool 616
Comparison of lost pattern casting processes 624
Computers 496
Computers, accounting and integration 496
Computer control solves traditional problems 588
Computers to clothing 514
Computers in the foundry 224
Continuous casting 311
Continuing development in a niche market 311
Consumables 476
Consumables for welding cast iron 480
Controlling the cupola 499
Cost effective impact cleaning and peening 487
Cosworth: speaking volumes 630
Croeso i Cymru — Welcome to Wales 193
Cupola coke bed 28
Cut faster, cut costs 66

D

Daihatsu an integrated manufacturer 774
Dedication and expertise at specialist Glasgow factory 523
Design of modern hot blast cupola furnace 24
Development and application of an advance silica carbide foam filler for iron castings applications 661
Development of high efficiency crucible furnaces for aluminium melting 298
Diecasting 872
Diecasting 336
Diecasting 114
Diecasting company wins innovation award 196
Drive for competitiveness the Warwick Way 262
"Drumming up" business in Scandinavia 567
Ductile irons — new opportunities for foundries 77
Dutch show attracts large audience 274
Dust — Tracing the source 648

E

Efficient use of industrial gases 476
EICF Conference report 699
Environment 99
Environment 358
Environment 890
Environmental control of lost wax moulds 619
Environment: Heating and Ventilation 612
Environment management 358
Energy saving 298
Equipping for near net shape 770
Europe's largest diecasting machine 118
European roundup 146
European report 210
European Pressure Diecasting — an *FTJ* supplement between 660 & 661
Expert systems for diagnosis of aluminium alloy casting defects 837

F

Facing up to the market 309
Fact of life 188
Farnborough International '90 815
Fettling and cleaning 60
Filtration 661
Finance 40
Finance 355
Fonderies du Leman company report 446
Ford Leamington — 50 years an *FTJ* , supplement between 698 & 699
Foseco — company report 296
F P is back on course 524
From jewellery to aerospace 404
From steam ships to gas turbines 654
F T L — 25 years yet more than a century an *FTJ* supplement between 188-189
Fullwood widens its doors 530
Furnace technology 13
Further advancements in the reduction of ester cured phenolic resins 362

G

Gas metal melting powers cost reduction 16
Glamour of exporting 450
Green Belt foundry 490

H

Heating of very large buildings 612
Howmet (UK) £1.6M expansion programme 822
How to negotiate a more profitable contract 800

I

Identifying and curing defects part 1 832
Identifying and curing defects part 2 899
Identification and traceability 705
Impianti Macchine Fonderie srl — company report 334
Improving the performance of mixers 860
Increase output by controlling die temperature 342
Ingot makers lead quality demands 6
Inoculation at Ford Leamington 444
International electricity price survey 422
INVC 102
Investment casting 149
Investment casting 402
Investment casting 692
Investment casting industry in India 692
Investigation and testing inoculants in the laboratory 430
Iron making update 75
Italian moulding connection 334
It is vital to be thoroughly modern 578

J

Japan in perspective 768

K

Kovolit: self-sufficient in diecasting 114
Knowing where it's at 581

L

Leningrad diesel factory 564
Lighting in industry 890

M

Maintenance and troubleshooting 514
Manipulators power and process revolution 60
Materials handling and weighing 793
Mechanised production of gas hardened moulds 556

FOUNDRY TRADE JOURNAL INDEX VOLUME 164 JANUARY-DECEMBER 1990

A

Advanced alloys for hi-tech industries 183
Air shock for steel castings 45
Alcan Enfield Alloys — differentiating its products 815
Alumasc — Company report 400
Aluminium 234
Aluminium castings in the automotive industry 728
Aluminium technology advances 388
Alternative back up filler to zircon 402
An integrated flux system 240
Answering some questions 520
An underutilised technology 149
A partnership with the customer 348
Art casting 490
Autopour catches on in Sweden 592
Autocast (Bourne) Limited — company report 348

B

Bathgate is a goer 528
BCIRA set to improve industry competitiveness 216
Belle Engineering — company report 72
Beltweighing after the (weights and measures) big bang 793
BICTA — Investment casting a technology for the 90's an *FTJ* supplement between 398 & 399
BNF — the founders friend 218
Boosting the traffic the precision way 396
Breaking the mould of zinc diecasting 589
Bring your casting problems to us (Rosyth Royal Dockyards) 32
British Brass & Bronze Ingot Manufacturers Association report 6
Bruzaholms Bruk installations on home ground for HYBE 885
Buckling down to a maximum output 703
Building on tradition for the future 395

C

Carburisation control and monitoring 226
Casting simulation proves its worth 499
Cast tools — their qualities and potential 189
Charles W Taylor & Sons — company report 654
Chemicals and cleaning 522
C K D Blansko — company report 309
Colt keeps it cool 616
Comparison of lost pattern casting processes 624
Computers 496
Computers, accounting and integration 496
Computer control solves traditional problems 588
Computers to clothing 514
Computers in the foundry 224
Continuous casting 311
Continuing development in a niche market 311
Consumables 476
Consumables for welding cast iron 480
Controlling the cupola 499
Cost effective impact cleaning and peening 487
Cosworth: speaking volumes 630
Croeso i Cymru — Welcome to Wales 193
Cupola coke bed 28
Cut faster, cut costs 66

D

Daihatsu an integrated manufacturer 774
Dedication and expertise at specialist Glasgow factory 523
Design of modern hot blast cupola furnace 24
Development and application of an advance silica carbide foam filler for iron castings applications 661
Development of high efficiency crucible furnaces for aluminium melting 298
Diecasting 872
Diecasting 336
Diecasting 114
Diecasting company wins innovation award 196
Drive for competitiveness the Warwick Way 262
"Drumming up" business in Scandinavia 567
Ductile irons — new opportunities for foundries 77
Dutch show attracts large audience 274
Dust — Tracing the source 648

E

Efficient use of industrial gases 476
EICF Conference report 699
Environment 99
Environment 358
Environment 890
Environmental control of lost wax moulds 619
Environment: Heating and Ventilation 612
Environment management 358
Energy saving 298
Equipping for near net shape 770
Europe's largest diecasting machine 118
European roundup 146
European report 210
European Pressure Diecasting — an *FTJ* supplement between 660 & 661
Expert systems for diagnosis of aluminium alloy casting defects 837

F

Facing up to the market 309
Fact of life 188
Farnborough International '90 815
Fettling and cleaning 60
Filtration 661
Finance 40
Finance 355
Fonderies du Leman company report 446
Ford Leamington — 50 years an *FTJ* , supplement between 698 & 699
Foseco — company report 296
F P is back on course 524
From jewellery to aerospace 404
From steam ships to gas turbines 654
F T L — 25 years yet more than a century an *FTJ* supplement between 188-189
Fullwood widens its doors 530
Furnace technology 13
Further advancements in the reduction of ester cured phenolic resins 362

G

Gas metal melting powers cost reduction 16
Glamour of exporting 450
Green Belt foundry 490

H

Heating of very large buildings 612
Howmet (UK) £1.6M expansion programme 822
How to negotiate a more profitable contract 800

I

Identifying and curing defects part 1 832
Identifying and curing defects part 2 899
Identification and traceability 705
Impianti Macchine Fonderie srl — company report 334
Improving the performance of mixers 860
Increase output by controlling die temperature 342
Ingot makers lead quality demands 6
Inoculation at Ford Leamington 444
International electricity price survey 422
INVC 102
Investment casting 149
Investment casting 402
Investment casting 692
Investment casting industry in India 692
Investigation and testing inoculants in the laboratory 430
Iron making update 75
Italian moulding connection 334
It is vital to be thoroughly modern 578

J

Japan in perspective 768

K

Kovolit: self-sufficient in diecasting 114
Knowing where it's at 581

L

Leningrad diesel factory 564
Lighting in industry 890

M

Maintenance and troubleshooting 514
Manipulators power and process revolution 60
Materials handling and weighing 793
Mechanised production of gas hardened moulds 556

Metallurgy of aluminium 234
Metal Inoculation 430
Micro seeder dispenser for metal stream inoculation 445
MIDEST '90 272
Midlands — an industry's heartland 776
Model foundry 154
Molten metal burns — how to reduce them 158
Moulding and core making 882

N

Narex cutting a niche 575
New era for independent Sacotec 570
New processes 624
New range of rotary furnace 122
New Spanish foundry goes electric 576
No machining . . . no prototype 448
Noel Shaw — Obituary 726
Noise management 99
Nuneaton patterns 28 years of progress 454

O

Obituary — Noel Shaw 726
One hundred thousand welcomes 392
One stop buying 400
Out of the bath into the bar 397

P

Parkfield keeps the wheels turning 194
Pay less but receive the same 40
PI castings 40 years service an *FTJ* supplement between 824-825
Poland's biggest producer of iron machine tool castings 585
Power to achieve a bigger yield 304
Price Eyland — company report 703
Process control 220
Product identification and traceability — can computers help? 707
Production and handling of molten iron part 1 13
Production and handling of molten iron part 2 75
Progressive views in metal castings (conference review) 42

Q

Quality products demanding processes 116
Quality groundwork 582
Quietly flying higher 151

R

Regional report — Wales 193
Regional report — Southern Ireland 392
Regional report — Scotland 523
Regional survey — Midlands 776
Rewards for substantial investment 446
Risen from the ashes 573
R J H Model Railways Limited 154
Robots ease heavy contact tasks 68
Rosyth Royal Dockyards company report 32

S

Safety 158
Sand mixing and reclamation 860
Scotland the brave 523
SCRATA — completing the jigsaw 214
SCRATA receives technology accolade 632
Setting sights on excellence 590
Sights on the single market 572
Solid base for new technology 634
Spray cooling of diecasting dies 336
Steel castings 176
Steriolithography the pattermakers' friend 593
Strong programme addresses steel foundries needs — SCRATA conference 856
SUBCON 278
Sub contracting 271
Success at Scottish conference 526
Supplying the truckmakers 562
Surface defects and abnormal surface structures in grey and ductile iron castings 832

T

Taking credit for your business 355
Tallix Morris Singer — from the beginning 493
Technology report 45
Technology 122
Technology 189
Technology 487
The best from the 'V' process 591
The view from here 176
Three in one materials distribution 796
Total return sand reconditioning the quality key 870
Towards a fuller understanding 699
Training 258
Training and the investment casting industry 266
Trends in product identification 705

U

UK Research and Development 214

V

Vacuum heat treatment 20

W

West German foundries market prospects until 2000 210
William Cook joins the elite club 2
Wilsons future is no pipe dream 532
Where's the next generation? 258
Working together for the common good 198
World Foundry Congress — Japan 766

Leaders

Can you keep up? 641
Casting problems solved 381
Cemafon 289
Don cloaks, put away daggers 329
Foundryman receives top award 417
FTJ readership tops 17,000 509
It's conference time 133
Keep safe 169
Late payment campaign — no let up 91
Liquid assets 465
Nothing new under the sun? 601
Now is the hour 681
Resolution 661 717
Shared problems and common objectives 757
Swallow the Pilsen 209
The price of technology 847
The right price? 545
Triplex Foundry at Tipton 249
UB What? 1
£500 million going free 53
88 into one will go 805

Authors

Badham, K 560
Barnett, S 402
Byabagambi, C A 298
Challinor, R 623
Cook, A 188
Cooper, E 560
Curtis, T 705
Dobson, T 450
Drinkall, B 158
Engels, Dr G 62
Ferns, A W D 860
Fernheden, G 885
Freunscht, E 26
Gani, R 336
Garrett, J 619
Hecht, M 430
Hickson, C 612
Kilpatrick, D 99
Lang, H 62
Lee, I S 336
Leigh, G M 336
Nguyen, T T 336
Parkes, J L R 304
Peplow, R 800
Piwonka, T S 624
Powell, J 13
Powell, J 75
Rachner, Dr H D 28
Redmond, D R A 793
Rémy, A 430
Reynolds, J A 726
Rudolph, A 26
Santarini, M 728
Scrimshaw, D 707
Sharp, J 149
Sharp, J 258
Simmons, Dr 648
Stephenson, P M 837
Stringe, R H 496
Swindon, D 18
Todd, J D W 837
Tucker, R J 298
Waddington, J D 298
Waniger, D 62
Wardell, T 476
Wharmby, D 298
Wilton, M A 20
Winkler, J 545
Wolff, H 62
Yoberd, B 837